

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A porous sheet for treating exhaust gases of combustion engines in open channels, ~~characterized in that at least part of the~~ comprising:

a porous sheet ~~(3, 3a, 3b)~~ including a plurality of openings; and
has a covering support, wherein the covering support covers at least a part of a surface of the porous sheet substrate, and

~~(33) having pores (35)~~ wherein the covering support has pores with a median pore size over 10 nm and a coarse particles with a median particle size over [[1,4]] 1.4 μm.

2. (Currently Amended) A porous sheet~~(s)~~ sheet according to claim 1, ~~characterized in that~~ wherein essentially all of the openings ~~(32) of the porous sheet (3, 3a, 3b) have a filling~~ are filled by the covering support (33) having pores (35) over 10 nm and coarse particles over 1,4 μm.

3. (Currently Amended) A porous sheet~~(s)~~ sheet according to claim 1 or 2, ~~characterized in that~~ wherein said porous sheet ~~(3, 3a, 3b)~~ is a mesh sheet.

4. (Currently Amended) A porous sheet according to claim, 3
~~characterized in that~~ wherein the mesh size of said mesh sheet (3) is from 30 to 300.

5. (Currently Amended) A porous sheet according to ~~any preceding claim~~
~~characterized in that~~ claim 1, wherein said porous sheet is a corrugated sheet (3b).

6. (Currently Amended) A porous sheet according to ~~any preceding claim~~
~~characterized in that~~ claim 1, wherein the median particle size of support (33) is from
~~1,5 to 3,5~~ 1.5 to 3.5 μm .

7. (Currently Amended) A porous sheet according to ~~any preceding~~
~~claim, characterized in that~~ claim 1, wherein the median pore size of said support
(33) is over 5 nm.

8. (Currently Amended) A porous sheet according to ~~any preceding~~
~~claim, characterized in that~~ claim 1, wherein the median pore size of said support
(33) is over 10 nm.

9. (Currently Amended) A porous sheet according to ~~any preceding~~
~~claim, characterized in that~~ claim 1, wherein said covering support (33) comprises
catalytically active material.

10. (Currently Amended) A porous sheet according to ~~any preceding claim, characterized in that~~ claim 1, wherein said covering support (33) comprises catalytically inert particles having a median particle size from 10 to 200 μm .

11. (Currently Amended) A porous sheet according to ~~any preceding claim, characterized in that~~ claim 1, wherein said covering support (33) comprises catalytically inert coarse alumina-, silica, zirconia-, ceria-or/and titania-particles.

12. (Currently Amended) A porous sheet according to ~~any preceding claim, characterized in that~~ claim 1, wherein at least part of said covering support (33) has been milled.

13. (Currently Amended) A porous sheet according to ~~any preceding claim, characterized in that the~~ claim 1, wherein an area mass of covering support (33) is from 20 to 200 g/m^2 .

14. (Currently Amended) A porous sheet according to ~~any preceding claim, characterized in that the~~ claim 1, wherein a BET specific surface area of covering support (33) is from 30 to 300 m^2/g .

15. (Currently Amended) A porous sheet according to ~~any preceding claim, characterized in that~~ claim 1, wherein said support (33) comprises fibres, which are projecting out from the a plane of said covering support.

16. (Currently Amended) A metal substrate having open channels for treating exhaust gases of combustion engines, ~~characterized in that~~ wherein said metal substrate (4) comprises at least one porous sheet according to claim 1 ~~to 15~~.

17. (Currently Amended) A metal substrate according to claim 16, ~~characterized in that~~ wherein said metal substrate (4) comprises at least one other sheet (2a, 2b, 5).

18. (Currently Amended) A metal substrate according to claim 17, ~~characterized in that~~ wherein said other sheet (2a, 2b, 5) is a smooth, perforated, mesh, wire mesh or fibrous sheet.

19. (Currently Amended) A metal substrate according to claim ~~16 to 18~~, ~~characterized in that~~ 17, wherein said other sheet is a flat (2b) or corrugated sheet (2a, 5).

20. (Currently Amended) A metal substrate according to claim ~~16 to 19~~, ~~characterized in that~~ 17, wherein said other sheet(s) (2a, 2b, 5) sheet has been essentially covered with the covering support (33) ~~of porous sheet(s) (3, 3a, 3b)~~ according to claim(s) 1 ~~to 15~~.

21. (Currently Amended) A metal substrate according to claim ~~16 to 20~~, ~~characterized in that~~ 17, wherein said other sheet(s) (2a, 2b, 5) sheet and porous sheet ~~sheet(s) (3, 3a, 3b)~~ have been covered with the same covering support (33).

22. (Currently Amended) A metal substrate according to ~~any claim 16 to 21, characterized in that~~ claim 17, wherein at least one of said porous sheet(s) (3, 3a, 3b) and/or sheet and said other sheet(s) (2a, 2b, 5) sheet comprises at least one of impressions and/or and projections.

23. (Currently Amended) A metal substrate according to ~~any claim 16 to 22, characterized in that~~ claim 16, wherein, said metal substrate (4) is at least one of a pre-oxycatalyst, a hydrolysis catalyst and/or and a SCR oxycatalyst.

24. (Currently Amended) A method for manufacturing a porous sheet for treating an exhaust gas gases of a combustion engines engine in open channels, ~~the method comprising at least partially covering a~~ characterized in that the porous sheet (3, 3a, 3b) is at least partially covered with a covering support (33) having pores (35) with a median pore size over 10 nm and coarse particles with a median particle size over [[1,4]] 1.4 µm.

25. (Currently Amended) A method for manufacturing a porous sheet according to claim 24, ~~characterized in that the~~ comprising filling essentially all openings (32) of the porous sheet(s) (3, 3a, 3b) are filled sheet with the covering support (33) having pores (35) over 10 nm and coarse particles over 1,4 µm.

26. (Currently Amended) A method for manufacturing a metal substrate for treating exhaust gases of combustion engines, ~~characterized in that~~ the method

comprising joining at least one porous sheet according to claim 1 ~~to 15 is joined to~~
~~said to a metal~~ substrate ~~(1) so that there are~~ to form a plurality of open channels ~~(4)~~
~~in said substrate.~~

Claims 27-28 (Canceled)

29. (New) A method to purify impurity particles from an exhaust gas of a combustion engine, the method comprising contacting said exhaust gas to a surface of the porous sheet according to claim 1.

30. (New) A method to purify impurity particles from an exhaust gas of a combustion engine, the method comprising contacting said exhaust gas to a surface of the metal substrate according to claim 16.